

## EAST Search History

| Ref # | Hits | Search Query                | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------------------|--|------------------|---------|------------------|
| L1    | 1356 | 372/99.ccls.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/21 14:50 |
| L2    | 142  | 1 and beam near3 shap\$3    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/21 14:14 |
| L3    | 2    | ("4173001"   "4985898").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR               | OFF     | 2006/08/21 13:18 |
| L4    | 1013 | 372/108.ccls.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/21 14:42 |
| L5    | 148  | 4 and beam near3 shap\$3    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/21 14:42 |
| L6    | 549  | 372/101.ccls.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/21 16:28 |
| L7    | 132  | 6 and beam near3 shap\$3    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/21 14:43 |
| L8    | 1214 | 1 not 2                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/21 14:50 |

## EAST Search History

|     |     |  |  |    |     |                  |
|-----|-----|--|--|----|-----|------------------|
| L9  | 871 | (lens or (optical near3 (element or component))) and resonat\$3 and laser and beam near3 shap\$3 and (straight or edge)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/21 16:30 |
| L10 | 131 | (lens or (optical near3 (element or component))) and resonat\$3 and laser and ((beam near3 shap\$3) same (straight or edge))       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/21 16:33 |
| L11 | 1   | ((optical near3 (element or component))) and reflect\$3 and partial\$2 and laser and ((beam near3 shap\$3) and (straight ))) .clm. | US-PGPUB   | OR | OFF | 2006/08/21 16:35 |
| S1  | 2   | ((("4173001") or ("4985898")).PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2005/09/26 17:55 |
| S2  | 391 | 372/99.ccls. and aperture  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT          | OR | OFF | 2005/09/26 17:56 |
| S3  | 35  | 372/99.ccls. and aperture near3 lens\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT          | OR | OFF | 2005/09/26 17:58 |
| S4  | 11  | 372/99.ccls. and beam near3 shap\$3 near3 lens\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT          | OR | OFF | 2005/09/26 17:59 |
| S5  | 330 | "372"/\$3.ccls. and beam near3 (shap\$3 or form\$3) near3 lens\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT          | OR | OFF | 2005/09/26 18:00 |
| S6  | 359 | "372"/\$.ccls. and beam near3 (shap\$3 or form\$3) near3 lens\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT          | OR | OFF | 2005/09/26 18:11 |
| S7  | 139 | S6 and ((laser or gain) near3 medium)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT          | OR | OFF | 2005/09/26 18:01 |

## EAST Search History

|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S8  | 7      | "372"/\$.ccls. and shield near3 lens\$3                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/26 18:12 |
| S9  | 402713 | "372"/\$.ccls. and light neasr3 shield                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/26 18:12 |
| S10 | 73     | "372"/\$.ccls. and light near3 shield                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/26 18:14 |
| S11 | 518    | "372"/101.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/27 11:33 |
| S12 | 134    | "372"/101.ccls. and partial\$3 near3 reflect\$3                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/27 12:15 |
| S13 | 51     | "372"/\$.ccls. and partial\$3 near3 reflect\$3 near3 aperture\$1 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/27 12:22 |
| S14 | 991    | "372"/108.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/27 12:22 |
| S15 | 53     | S14 and slit\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/27 12:26 |
| S16 | 299    | S14 and aperture\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/27 12:27 |
| S17 | 101    | S14 and aperture\$1 and solid near3 state                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/27 12:27 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S18 | 5    | (laser near3 medium and non near3 reflect\$3 and total near3 reflect\$3).<br>clm.                   | US-PGPUB  | OR | OFF | 2005/09/27 13:46 |
| S19 | 0    | (laser near3 medium and non near3 reflect\$3 and total near3 reflect\$3).<br>clm. and 372/101.ccls. | US-PGPUB  | OR | OFF | 2005/09/27 13:47 |
| S20 | 0    | (laser near3 medium and non near3 reflect\$3 and total near3 reflect\$3).<br>clm. and 372/108.ccls. | US-PGPUB  | OR | OFF | 2005/09/27 13:47 |
| S21 | 0    | (laser near3 medium and non near3 reflect\$3 and total near3 reflect\$3).<br>clm. and 372/99.ccls.  | US-PGPUB  | OR | OFF | 2005/09/27 13:47 |
| S22 | 1000 | 372/108.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 12:33 |
| S23 | 160  | S22 and solid near3 state near3 laser   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 12:34 |
| S24 | 43   | S23 and beam near3 shap\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 12:35 |
| S25 | 1000 | 372/108.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 12:33 |
| S26 | 160  | S25 and solid near3 state near3 laser   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 12:48 |
| S27 | 43   | S26 and beam near3 shap\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 12:35 |
| S28 | 117  | S26 not S27   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 12:35 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S29 | 69  | S25 and solid near3 state near3 laser and output near3 mirror  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 12:49 |
| S30 | 240 | solid near3 state near3 laser and output near3 mirror and beam near3 shap\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 13:21 |
| S31 | 150 | S30 and (slit or aperture)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 12:50 |
| S32 | 1   | solid near3 state near3 laser and (output near3 mirror same (beam near3 shap\$3 with (edge or rectangle or square or straight or linear)))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 13:22 |
| S33 | 1   | solid near3 state near3 laser and ((output near3 mirror) same (beam near3 shap\$3 with (edge or rectangle or square or straight or linear))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 13:23 |
| S34 | 20  | solid near3 state near3 laser and ((output near3 mirror) and (beam near3 shap\$3 with (edge or rectangle or square or straight or linear)))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 13:26 |
| S35 | 235 | solid near3 state near3 laser and ((output near3 (mirror or coupl\$3)) with (edge or rectangle or square or straight or linear))             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 13:28 |
| S36 | 143 | S35 and "372"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 13:44 |
| S37 | 92  | S35 not S36  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 13:45 |
| S38 | 155 | gain near3 medium and (beam near3 shap\$3 near3 (optic\$1 or optical))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 13:56 |

## EAST Search History

|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S39 | 42 | ((optic\$1 or optical or mirror) with (partial\$3 near3 reflect\$3 near3 center))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 14:11 |
| S40 | 2  | ("4173001"   "4985898").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/02/22 14:08 |
| S41 | 11 | ("4173001").URPN.   | USPAT   | OR | OFF | 2006/02/22 14:09 |
| S42 | 34 | mirror with (partial\$3 near3 reflect\$3) with (periphery or periphural)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 14:14 |
| S43 | 1  | mirror with (partial\$3 near3 reflect\$3 near3 (center or middle)) same ((periphery or periphural) with (total near3 reflect\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 14:32 |
| S44 | 1  | ("6731666").PN.   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/22 14:28 |
| S45 | 2  | mirror with (partial\$3 near3 reflect\$3 near3 (center or middle)) and ((periphery or periphural) with (total near3 reflect\$3))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 14:32 |
| S46 | 1  | (partial\$3 near3 (transmi\$5 or reflect\$3)) with (mgf or caf)   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/22 17:26 |
| S47 | 1  | (partial\$3 near3 (transmi\$5 or reflect\$3)) with (mgf or caf)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 17:29 |
| S48 | 5  | (partial\$3 near3 (transmi\$5 or reflect\$3)) same (mgf or caf)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 17:27 |
| S49 | 25 | (reflector) with (mgf or caf)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/22 17:29 |
| S50 | 1  | ("5506858").PN.   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/02/23 11:49 |